ABSTRACT OF THE DISCLOSURE

A method and system for performing textured mapping of a target area is provided. According to the method, input is received that defines a textured image. Tiles are generated from the textured image used to cover the target area in an aperiodic tiling

5   pattern.

According to one aspect, the textured image is obtained by scanning one or more texture images into memory.

According to another aspect, to cover the target area an aperiodic tiling pattern is selected. Textured tiles based on the aperiodic tiling pattern are then generated and

10   applied to the target area.

According to another aspect, to apply the textured aperiodic tiles to the target area, the target area is covered with one or more aperiodic tiles that are based on a selected aperiodic tiling pattern. A corresponding textured tile is then mapped to each of the one or more aperiodic tiles.

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